BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements to Roads and Drains at Ramachandrapura Old village, Hanuman Layout, Anjaneya Temple and Satya Narayana Temple surroundings in Ward No. 10 Vidyaranyapura Sub Division.*

Estimated Cost: Rs. 20.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to Roads and Drains at Ramachandrapura Old village, Hanuman Layout, Anjaneya Temple and Satya Narayana Temple surroundings in Ward No. 10 Vidyaranyapura Sub Division.

							Estimate Cost:	2000000.00
Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	CC Road		1	100.00	4.00	0.20	80.00		
			1	60.00	5.00	0.20	60.00		
			1	20.00	5.00	0.20	20.00		
			1	30.00	5.00	0.20	30.00		
			1	20.00	3.00	0.20	12.00		
			1	20.00	3.00	0.20	12.00		
	RCC Drain		1	75.00	1.30	1.00	97.50		
							311.50	90.72	**28259.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRB 4-1.3 : Providing and laying in position plain cement **concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	For CC Road		1	100.00	4.00	0.15	60.00		
			1	60.00	5.00	0.15	45.00		
			1	20.00	5.00	0.15	15.00		
			1	30.00	5.00	0.15	22.50		
			1	20.00	3.00	0.15	9.00		
			1	20.00	3.00	0.15	9.00		
	RCC Drain		1	75.00	1.00	0.15	11.25		
							171.75	4290.84	**736952.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							

[illegible]	[illegible]								
		[illegible]							
	[illegible]		[illegible]	75.00		[illegible]	[illegible]		
	Covering Slab		[illegible]	75.00		[illegible]	45.00		
	Covering Slab Sides		[illegible]	75.00		0.15	22.50		
							247.50	271.08	67092.00
	Basic Rate	[illegible]							
	Area Weightage @ [illegible]	[illegible]							
	Total	271.08							
[illegible]	[illegible] 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ [illegible] cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls,** wall (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Bottom		1	75.00	0.90	0.15	10.13		
	Side Walls		2	75.00	0.15	0.60	13.50		
	Covering Slab		1	75.00	0.90	0.10	6.75		
							30.38	5639.76	**171308.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
5	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500**	Qntl							
			0.65	30.38			19.74		
							19.74	7450.92	**147109.00**
	Basic Rate	6899.00							

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] PWD SR 2013-14	[illegible]							
			10	4.00			40.00		
			6	5.00			30.00		
			2	5.00			10.00		
			3	5.00			15.00		
			2	3.00			6.00		
			2	3.00			6.00		
							107.00	137.16	**14676.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14**	Cum							
	For CC Road		1	100.00	4.00	0.10	40.00		
			1	60.00	5.00	0.10	30.00		
			1	20.00	5.00	0.10	10.00		
			1	30.00	5.00	0.10	15.00		
			1	20.00	3.00	0.10	6.00		
			1	20.00	3.00	0.10	6.00		
							107.00	6464.88	**691742.00**
	Basic Rate	5986.00							
	Area Weightage @ 8%	478.88							
	Total	**6464.88**							
8	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14**	Sqm							
			1	100.00	4.00		400.00		
			1	60.00	5.00		300.00		
			1	20.00	5.00		100.00		
			1	30.00	5.00		150.00		
			1	20.00	3.00		60.00		
			1	20.00	3.00		60.00		
							1070.00	91.80	**98226.00**

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amt
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**311.50**	72.71	22
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	For Third Part QC Charges @ 1% of Estimate Cost								20
11	Miscellaneous and other Charges	L/S							1
								Total	**2000**

(Rs. Twenty Lakhs Only)

CERTIFICATE:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per P.W.D S.R of 2013-14.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

ADMINISTRATIVELY SANCTIONED FOR Rupees Twenty Lakhs Only

Under

Registered as EE ( ) No 3 ...9....

Subject to conditions contained in enclosed memo EE ( ) No /9/...

Dt Estimate A/Sanctioned

Addl Com (Y) A.S No 654/13-14 dated 23-12-13 for 20.00 Lakhs

Addl Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Technical Sanction for Rs. 20.00 Lakhs Twenty Lakhs only

EE/BTP/ dtd 13-14,

Registered as No. Dated

Subject to conditions contained enclosed memo.

No /9/ Dt

AE/JE